

ABSTRACT

Systems and methods of processing incoming data provide for receiving incoming data and determining whether to employ stateless routing of the incoming data based on one or more destination hosts associated with the incoming data. In one approach, stateless routing involves storing the incoming data only in volatile memory and withholding confirmation of receipt of the incoming data until confirmation of delivery is received from either the destination host or a downstream router. The determination as to whether stateless routing should be employed can take into consideration historical data for the destination host as well as control data. The determination can also be based on the number of destination hosts.